



SLOVENSKI STANDARD
SIST ETS 300 395-3:1999

01-november-1999

**Radijska oprema in sistemi (RES) - Vseevropski sistem snopovnega radia (TETRA)
- Prizemni snopovni radio (TETRA) - Govorni kodek za kanal s polno hitrostjo - 3.
del: Posebne obratovalne lastnosti**

Terrestrial Trunked Radio (TETRA); Speech codec for full-rate traffic channel; Part 3:
Specific operating features

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ICS:

33.070.10	Prizemni snopovni radio (TETRA)	Terrestrial Trunked Radio (TETRA)
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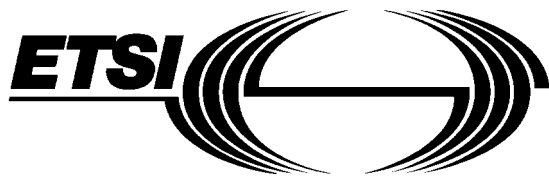
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Part 3: Specific operating features**

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Radio Equipment System (RES) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS consists of four parts as follows:

Part 1: "General description of speech functions";

Part 2: "TETRA codec";

Part 3: "Specific operating features";

Part 4: "Codec conformance testing".

Transposition dates	
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1 Scope

This European Telecommunication Standard (ETS) describes all the functions associated with the TETRA speech codec, excepted the specification of the codec by itself which is entirely defined in ETS 300 395-2 [2].

Clause 4 of this ETS provides a description of the functions associated with the speech encoder, while clause 5 is its counterpart for the speech decoder.

Clause 6 describes the contents and the format of the signalling data block included in a stolen frame when used for transferring information relevant to the codec in a U-plane signalling message.

In addition, annex A (informative) provides indications and preferred solutions for the implementation of optional features.

2 Normative references

This ETS incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to, or revisions of, any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 395-1 (1995): "Radio Equipment and Systems (RES); Trans-European Trunked Radio (TETRA) system; Speech codec for full-rate traffic channel; Part 1: General description of speech functions".
- [2] ETS 300 395-2 (1995): "Radio Equipment and Systems (RES); Trans-European Trunked Radio (TETRA) system; Speech codec for full-rate traffic channel; Part 2: TETRA codec".
- [3] ETS 300 392-2 (1995): "Radio Equipment and Systems (RES); Trans-European Trunked Radio (TETRA) system; Voice plus Data; Part 2: Air Interface".
- [4] ETS 300 392-7 (1995): "Radio Equipment and Systems (RES); Trans-European Trunked Radio (TETRA) system; Voice plus Data; Part 7: Security".

3 Definitions and abbreviations

3.1 Definitions

Refer to ETS 300 392-2 [3], clause 3 for common TETRA definitions.

3.2 Abbreviations

For the purposes of this ETS, the following abbreviations apply:

BFI	Bad Frame Indicator
CNF	Comfort Noise Frame
DTX	Discontinuous Transmission
LTP	Long Term Predictor
MAC	Medium Access Control
PCM	Pulse Coded Modulation
RMS	Root Mean Square
VAD	Voice Activity Detector

Refer to ETS 300 392-2 [3] clause 3 for common TETRA abbreviations.